

Data File : VW012731.D
Acq On : 07 Sep 2019 20:20
Operator : SY/VA
Sample : K4554-26
Misc : 5.63G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-7-(13-15)

Quant Time: Sep 08 05:14:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146249	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
35) Dibromofluoromethane	7.88	113	107472	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.32	98	418487	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	133882	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

Target Compounds

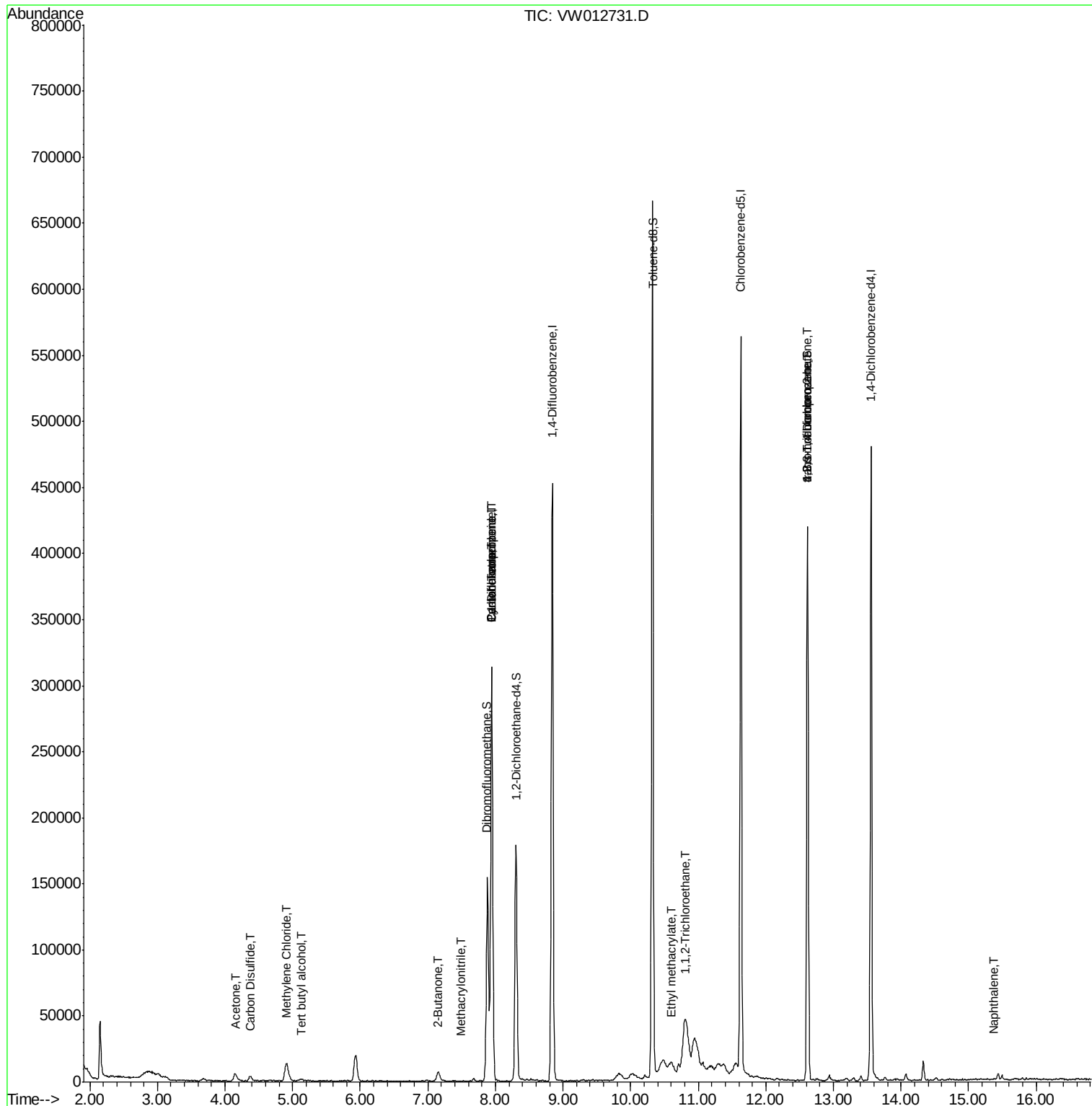
						Qvalue
11) Tert butyl alcohol	5.12	59	1030	5.236	ug/l #	72
16) Acetone	4.15	43	11687	16.673	ug/l	98
17) Carbon Disulfide	4.37	76	7669	1.901	ug/l #	88
20) Methylene Chloride	4.91	84	10795	4.923	ug/l	94
25) 2-Butanone	7.15	43	630	20.243	ug/l #	53
31) Cyclohexane	7.95	56	5546	1.467	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18729	5.922	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23521	7.545	ug/l #	16
41) Methacrylonitrile	7.49	41	52	3.874	ug/l #	27
55) 1,1,2-Trichloroethane	10.80	97	4625	2.681	ug/l #	15
56) Ethyl methacrylate	10.59	69	10112	4.004	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	72764	58.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72764	122.809	ug/l #	6
95) Naphthalene	15.36	128	109	4.458	ug/l #	69

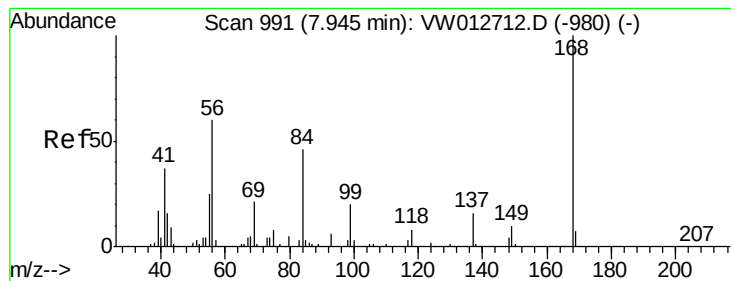
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

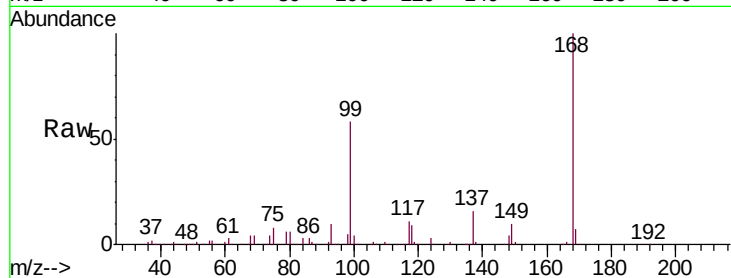
SB-7-(13-15)

Tgt Ion:168 Resp: 230116

Ion Ratio Lower Upper

168 100

99 58.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

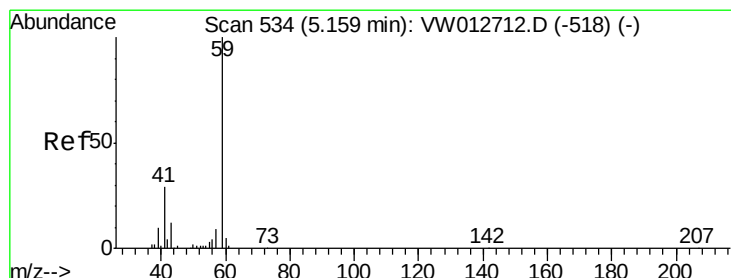
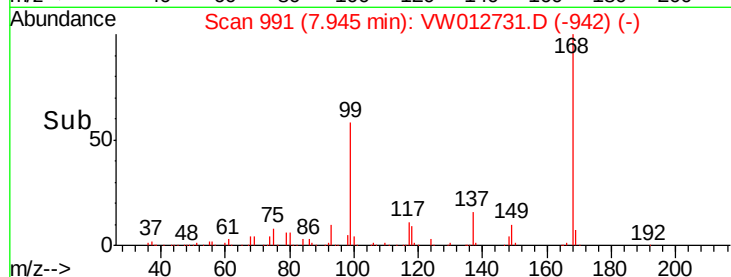
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.236 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012731.D

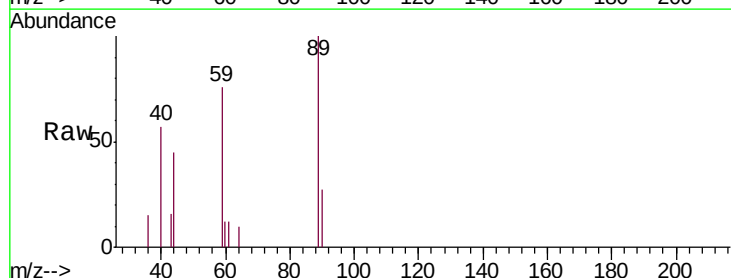
Acq: 07 Sep 2019 20:20

Tgt Ion: 59 Resp: 1030

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

500

400

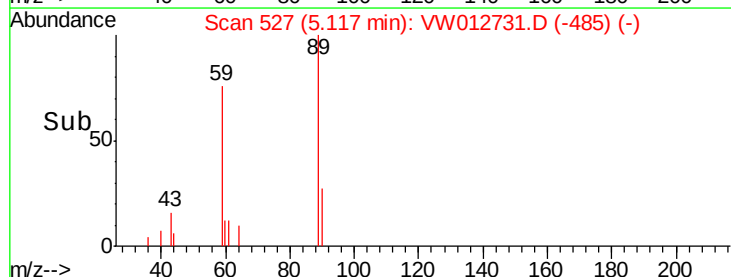
300

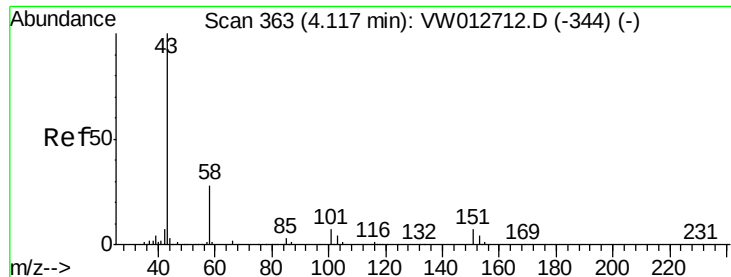
200

100

0

Time-->





#16

Acetone

Concen: 16.673 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

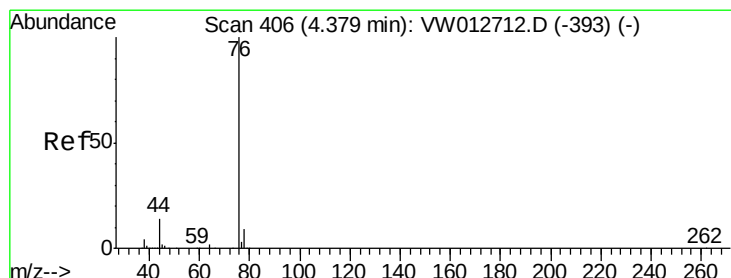
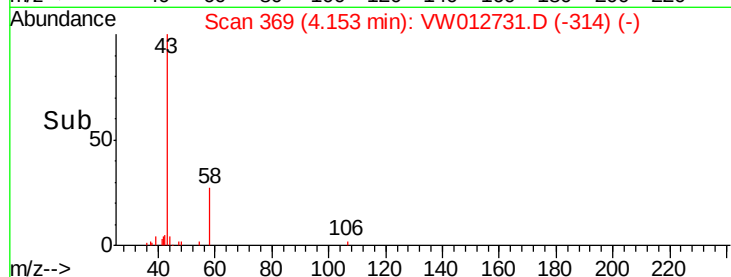
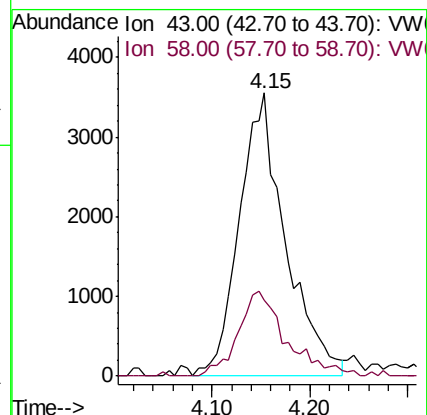
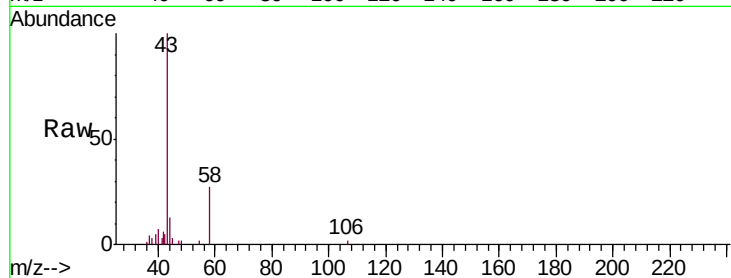
SB-7-(13-15)

Tgt Ion: 43 Resp: 11687

Ion Ratio Lower Upper

43 100

58 26.9 22.6 33.8



#17

Carbon Disulfide

Concen: 1.901 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012731.D

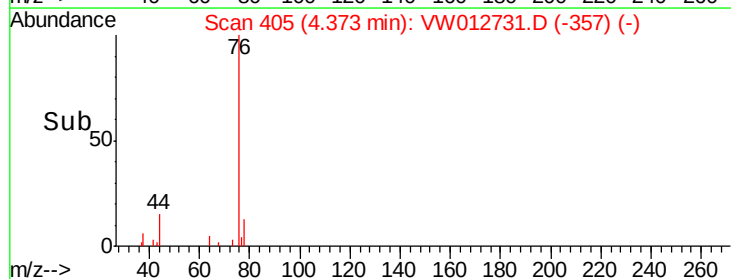
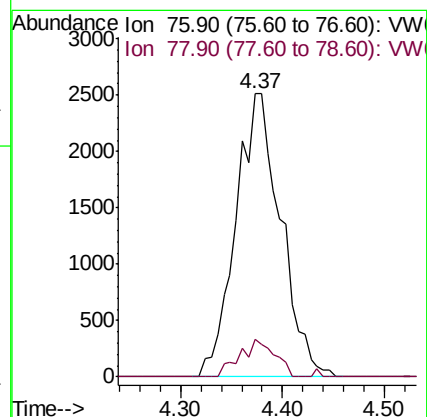
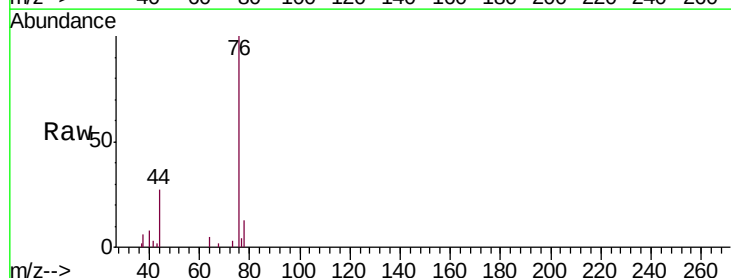
Acq: 07 Sep 2019 20:20

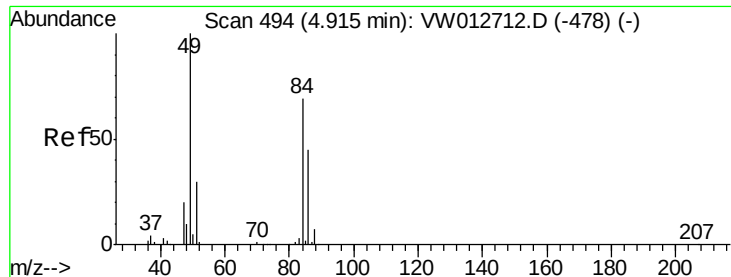
Tgt Ion: 76 Resp: 7669

Ion Ratio Lower Upper

76 100

78 13.3 7.2 10.8#

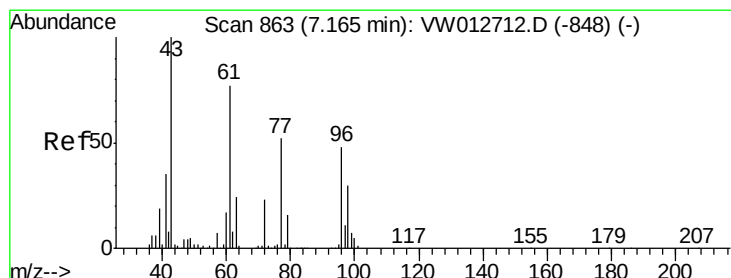
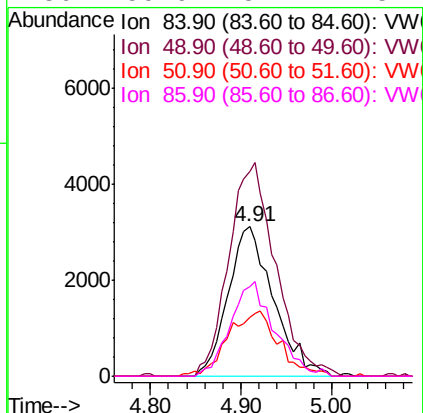
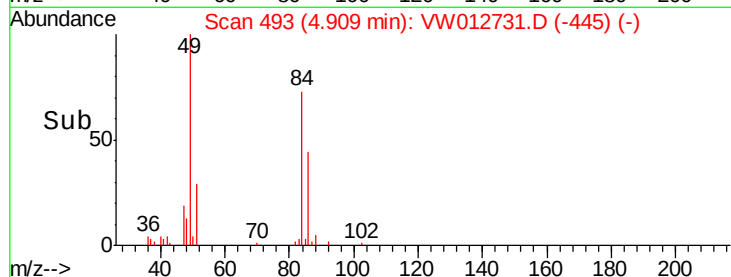
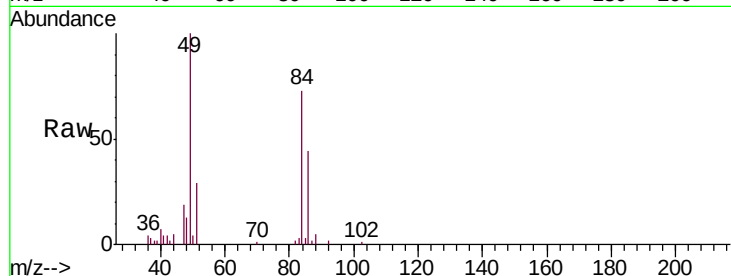




#20
Methylene Chloride
Concen: 4.923 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012731.D
Acq: 07 Sep 2019 20:20

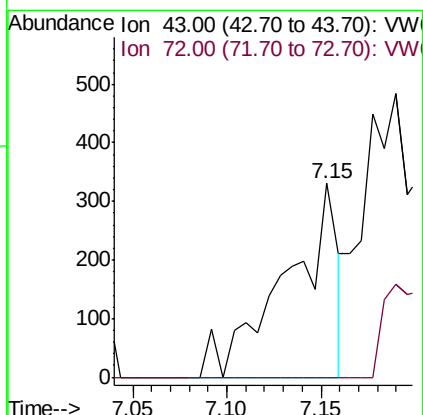
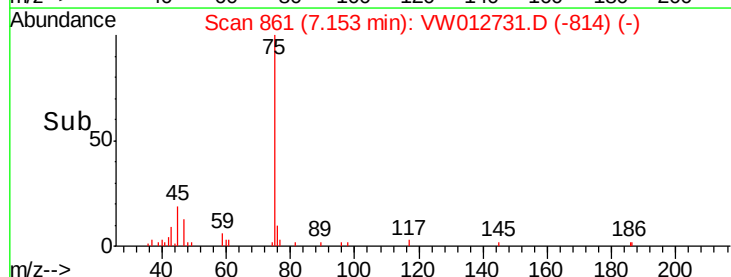
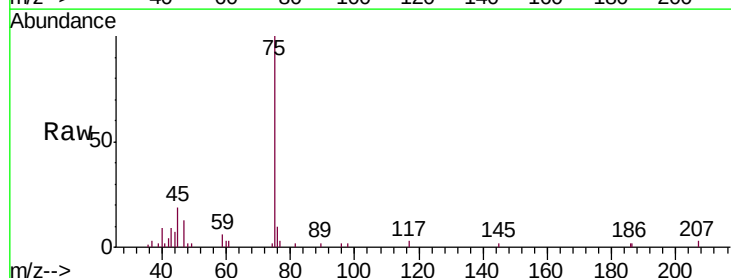
Instrument :
MSVOA_W
ClientSampled :
SB-7-(13-15)

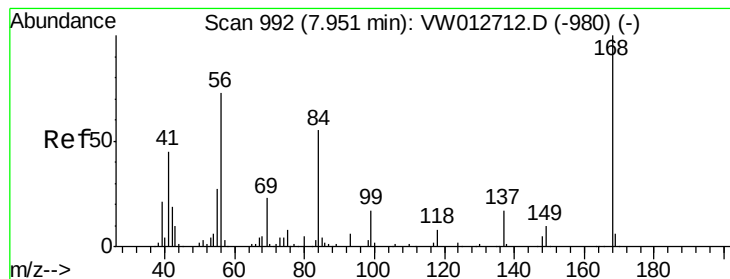
Tgt Ion: 84 Resp: 10795
Ion Ratio Lower Upper
84 100
49 137.2 115.4 173.0
51 39.8 34.9 52.3
86 59.9 52.2 78.4



#25
2-Butanone
Concen: 20.243 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW012731.D
Acq: 07 Sep 2019 20:20

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#





#31

Cyclohexane

Concen: 1.467 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

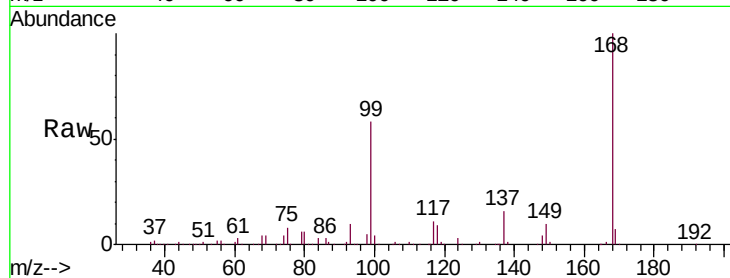
Tgt Ion: 56 Resp: 5546

Ion Ratio Lower Upper

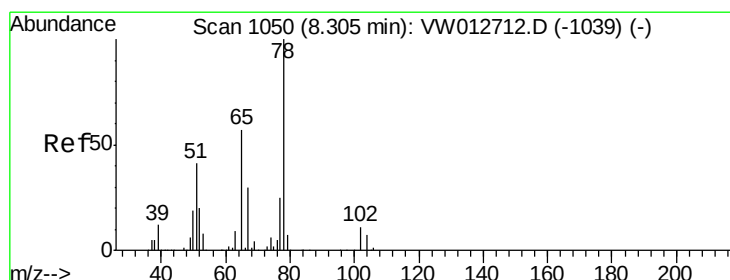
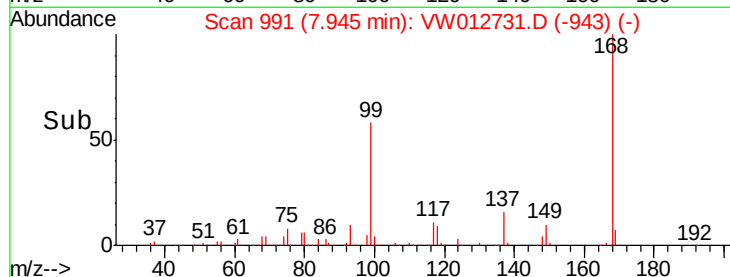
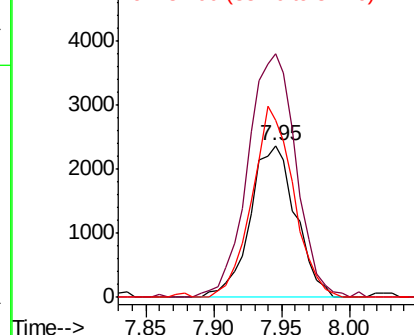
56 100

69 160.3 25.7 38.5#

84 116.2 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.881 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012731.D

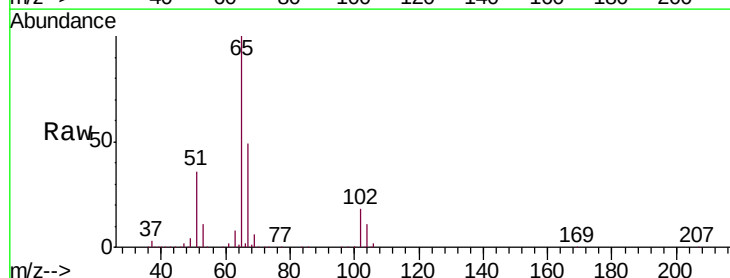
Acq: 07 Sep 2019 20:20

Tgt Ion: 65 Resp: 146249

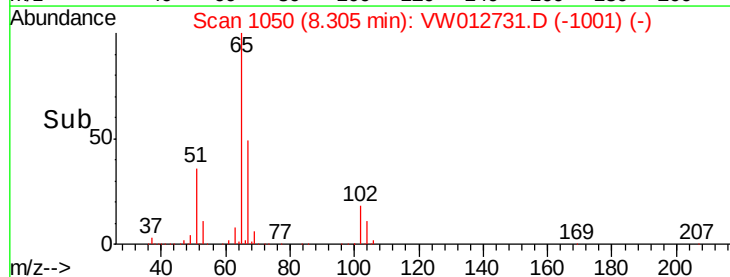
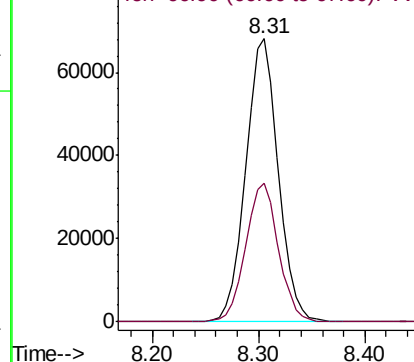
Ion Ratio Lower Upper

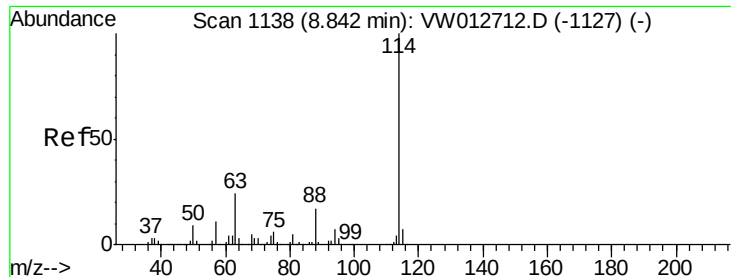
65 100

67 49.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

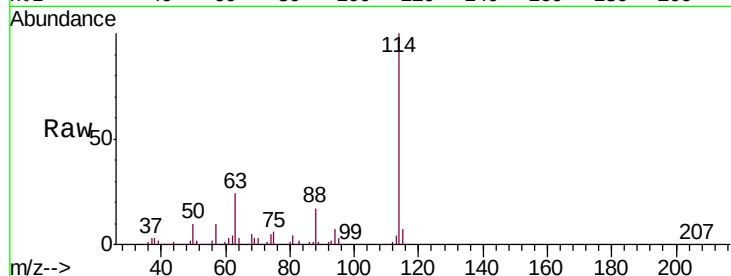
Tgt Ion:114 Resp: 355919

Ion Ratio Lower Upper

114 100

63 24.2 0.0 47.2

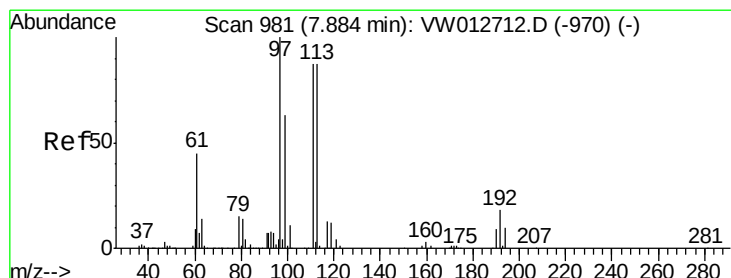
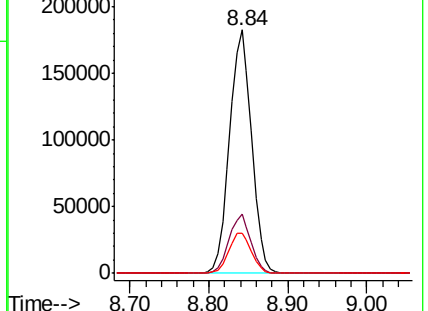
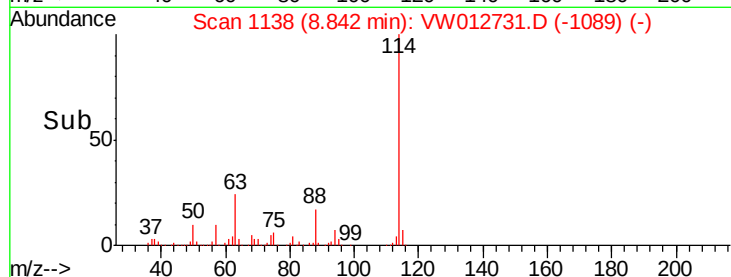
88 16.6 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.789 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

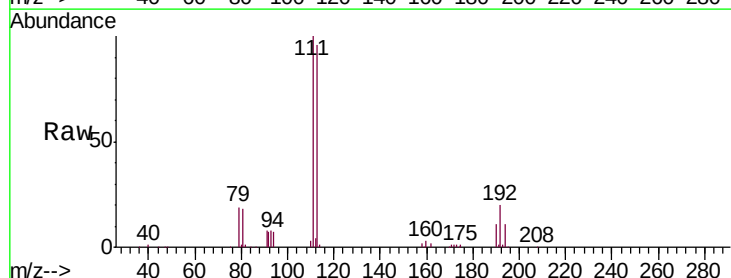
Tgt Ion:113 Resp: 107472

Ion Ratio Lower Upper

113 100

111 101.2 80.2 120.4

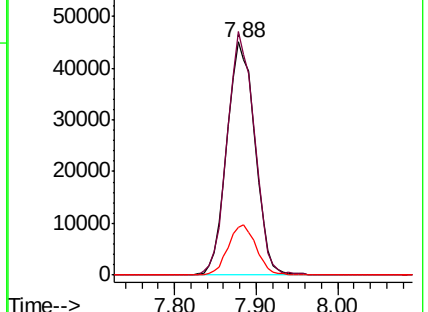
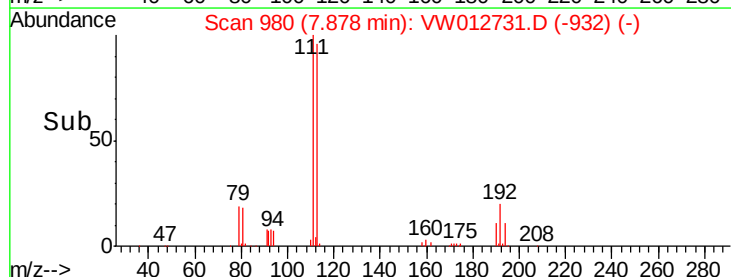
192 21.5 17.3 25.9

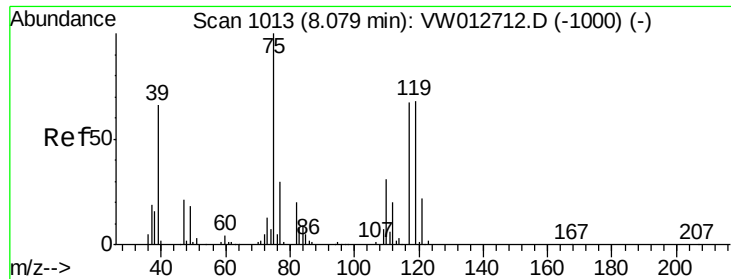


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

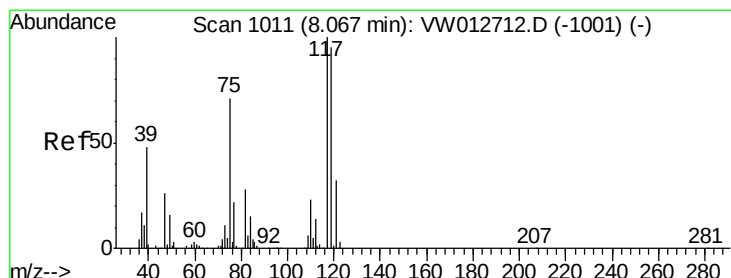
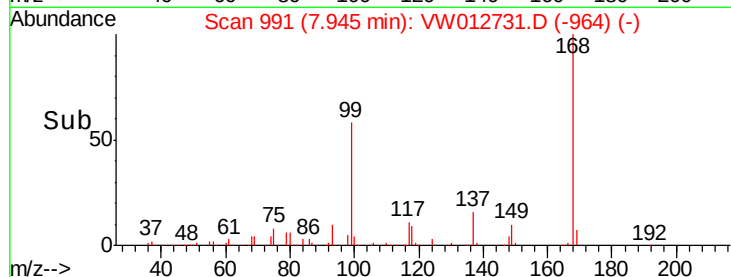
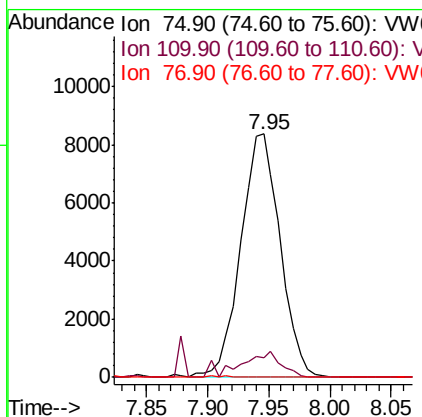
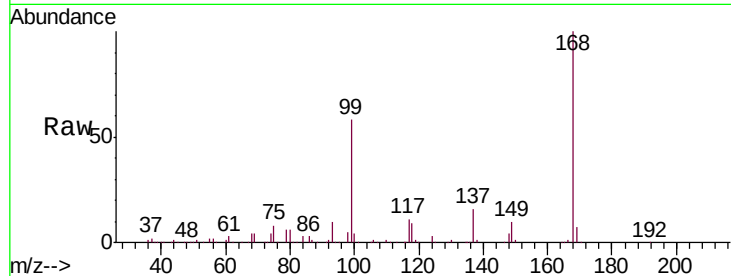




#36
 1,1-Dichloropropene
 Concen: 5.922 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012731.D
 Acq: 07 Sep 2019 20:20

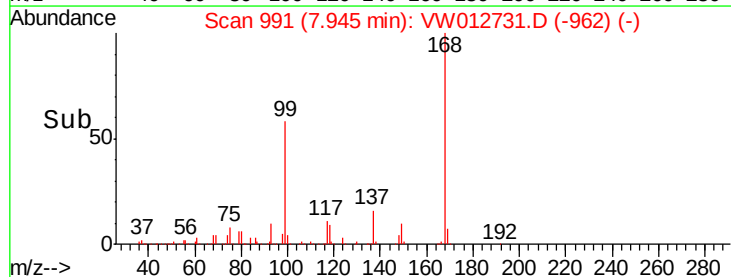
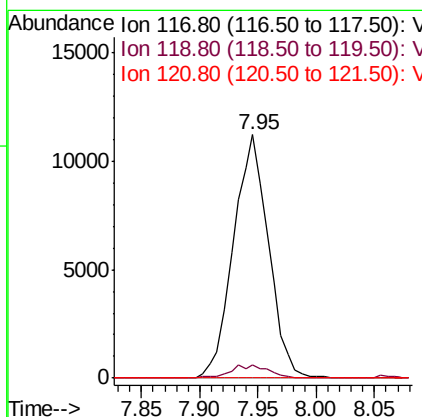
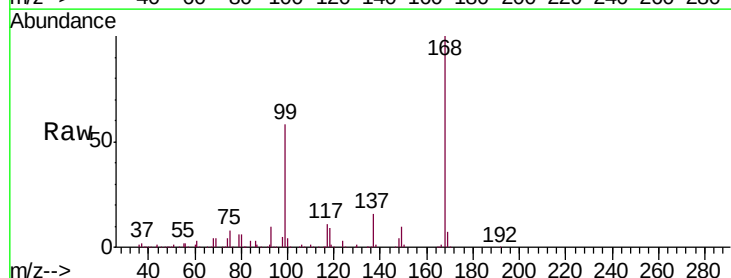
Instrument :
 MSVOA_W
 ClientSampled :
 SB-7-(13-15)

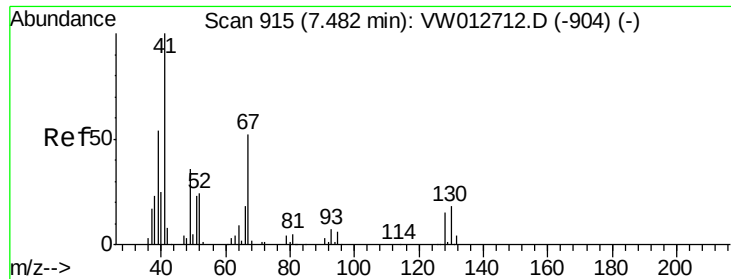
Tgt Ion: 75 Resp: 18729
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.545 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012731.D
 Acq: 07 Sep 2019 20:20

Tgt Ion: 117 Resp: 23521
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 25.4 38.2#

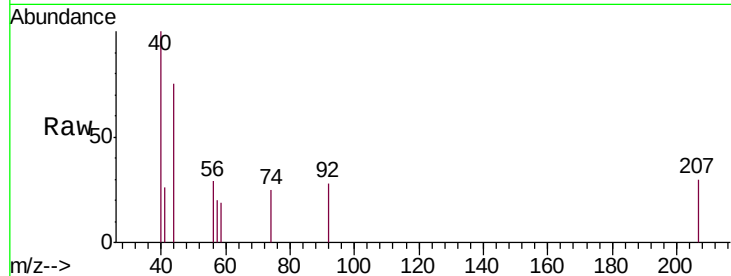




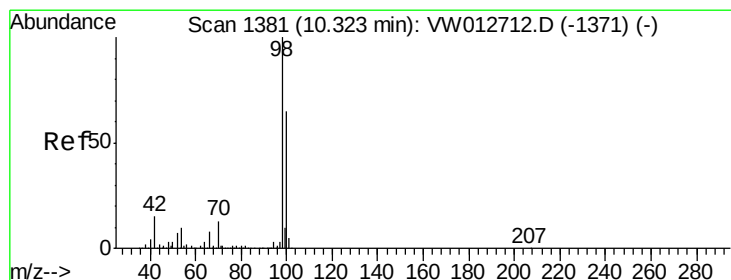
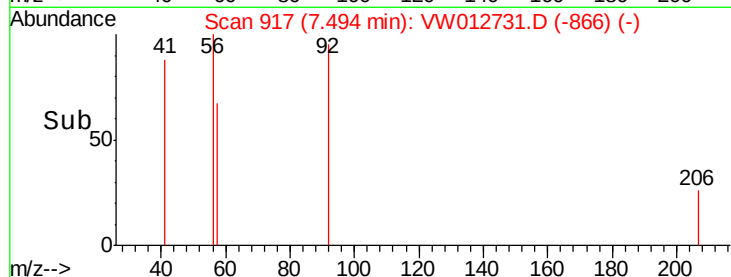
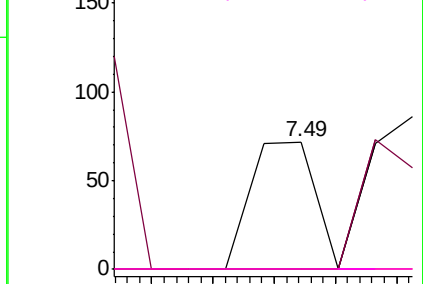
#41
Methacrylonitrile
Concen: 3.874 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW012731.D
Acq: 07 Sep 2019 20:20

Instrument :
MSVOA_W
ClientSampleId :
SB-7-(13-15)

Tgt Ion:	41	Resp:	52
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

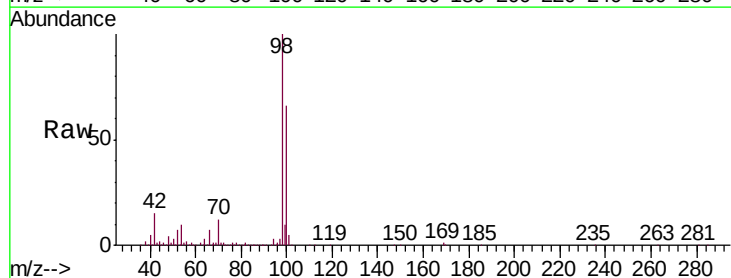


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

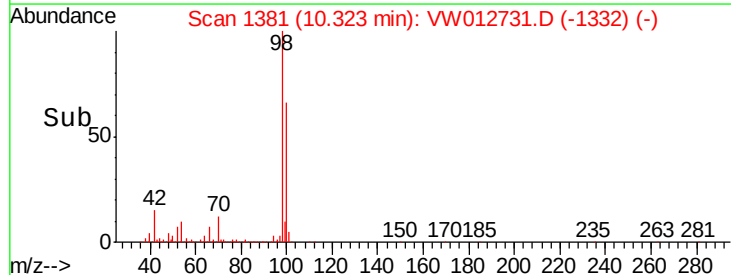
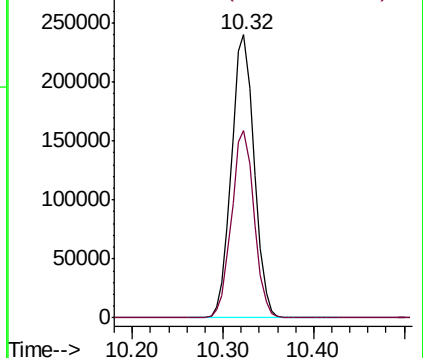


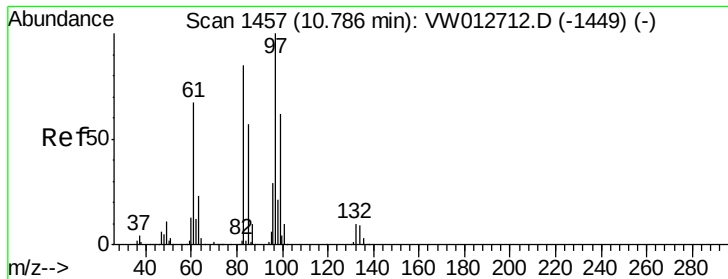
#50
Toluene-d8
Concen: 50.480 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012731.D
Acq: 07 Sep 2019 20:20

Tgt Ion:	98	Resp:	418487
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#55

1,1,2-Trichloroethane

Concen: 2.681 ug/l

RT: 10.80 min Scan# 1460

Delta R.T. 0.02 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

Tgt Ion: 97 Resp: 4625

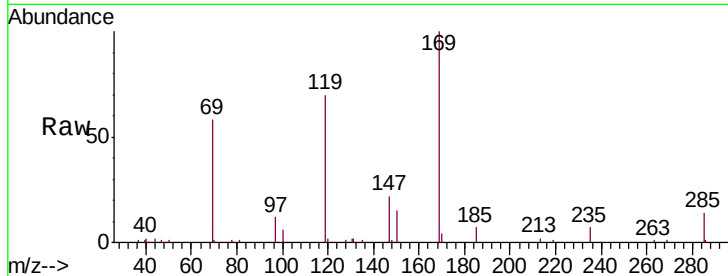
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#

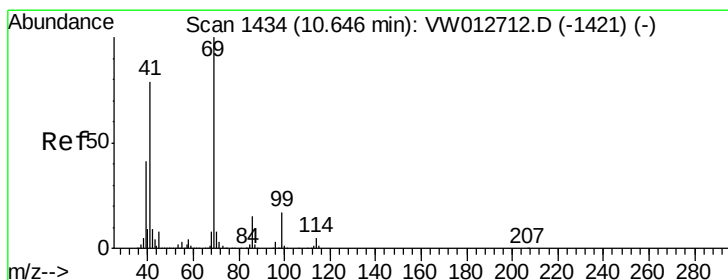
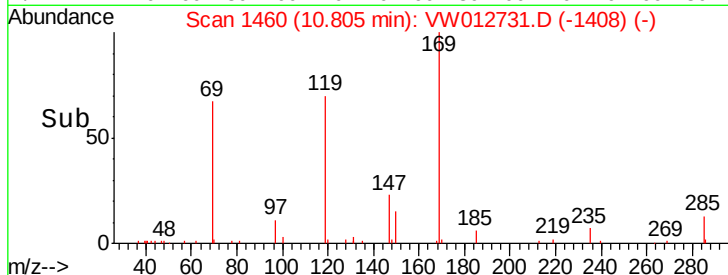
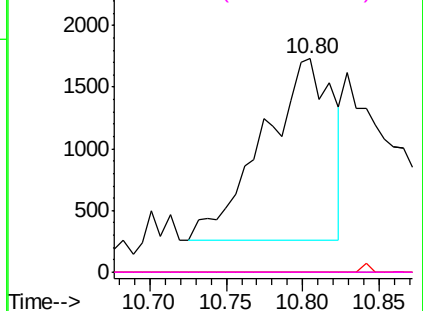


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.004 ug/l

RT: 10.59 min Scan# 1425

Delta R.T. -0.05 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

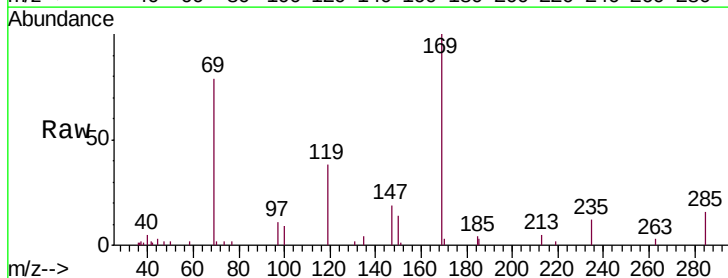
Tgt Ion: 69 Resp: 10112

Ion Ratio Lower Upper

69 100

41 0.0 64.4 96.6#

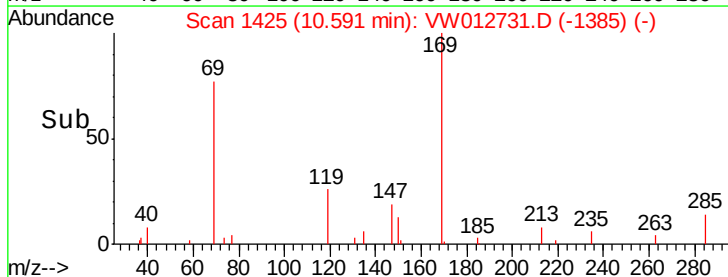
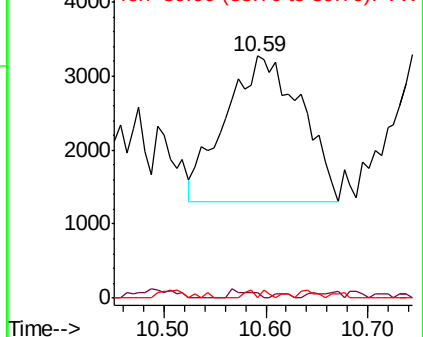
39 0.7 31.1 46.7#

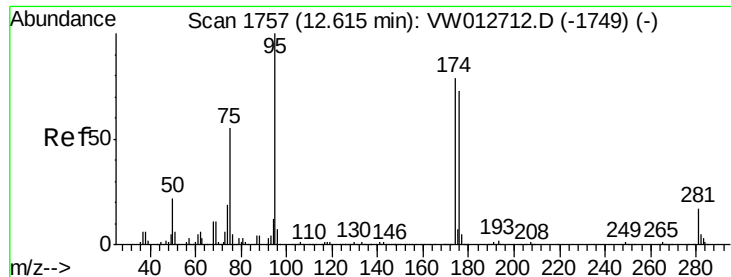


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#62

4-Bromofluorobenzene

Concen: 44.485 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

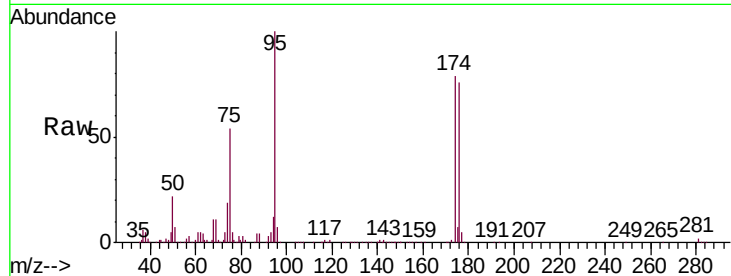
Tgt Ion: 95 Resp: 133882

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.0

176 78.4 0.0 156.4



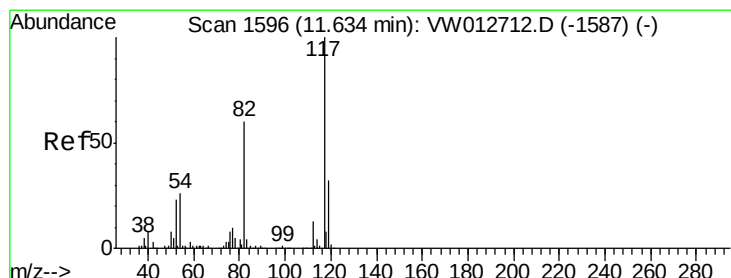
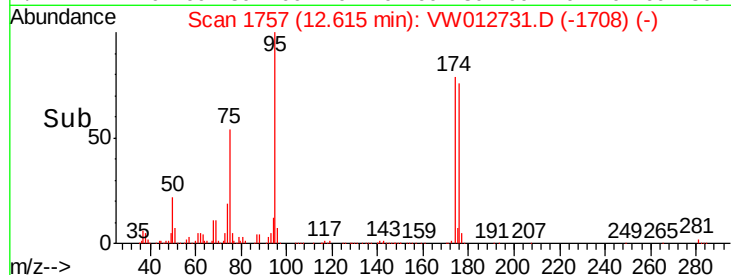
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

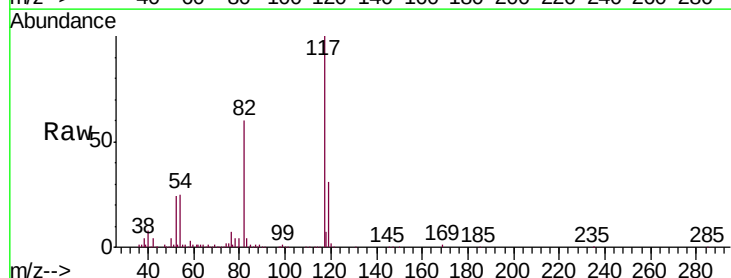
Tgt Ion: 117 Resp: 296219

Ion Ratio Lower Upper

117 100

82 60.4 48.2 72.4

119 30.4 25.8 38.6



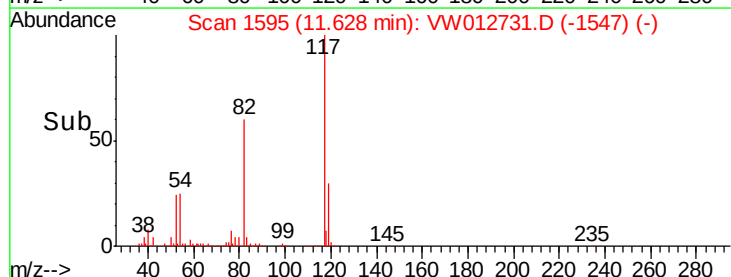
Abundance Ion 116.90 (116.60 to 117.60): VW

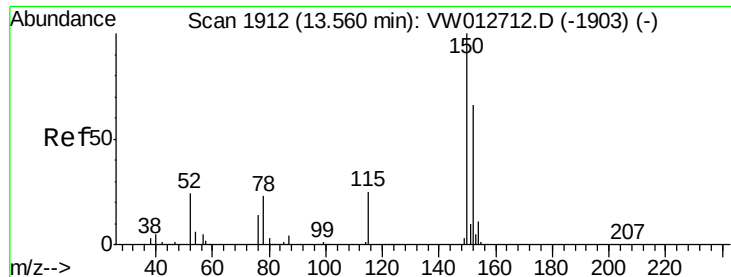
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time--> 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

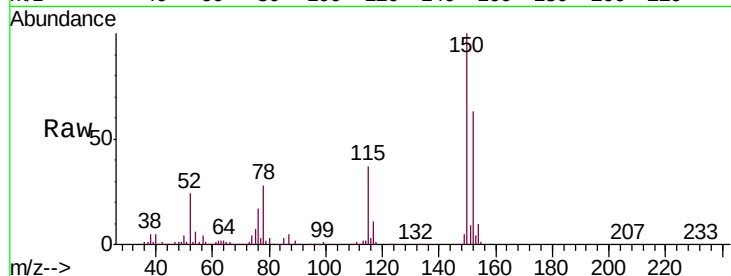
Tgt Ion:152 Resp: 122554

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.1

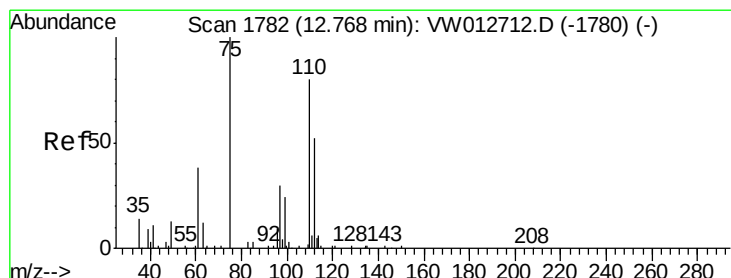
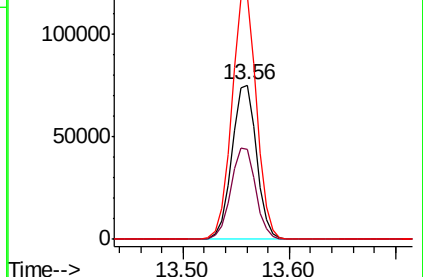
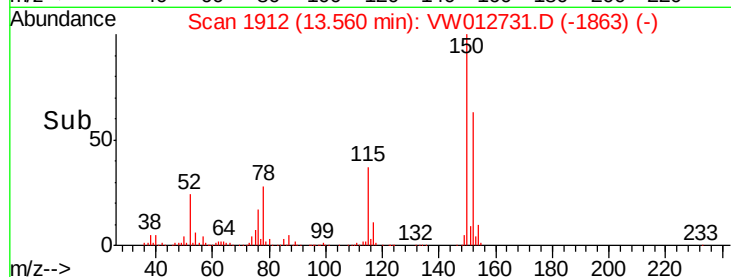
150 158.1 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 58.064 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012731.D

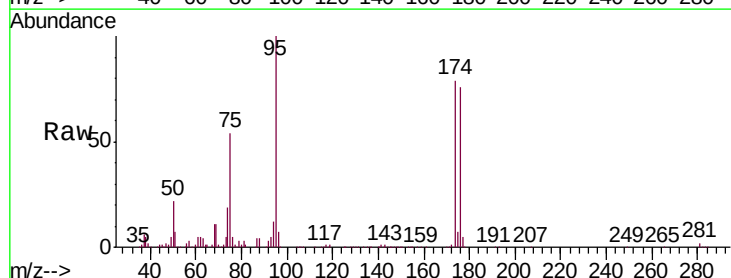
Acq: 07 Sep 2019 20:20

Tgt Ion: 75 Resp: 72764

Ion Ratio Lower Upper

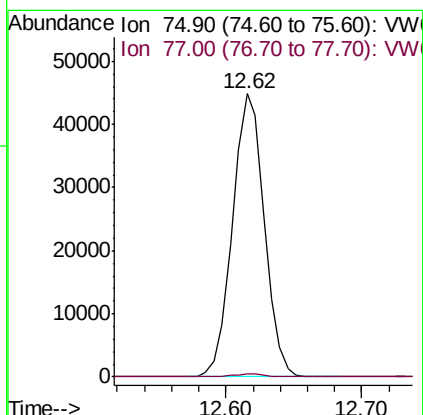
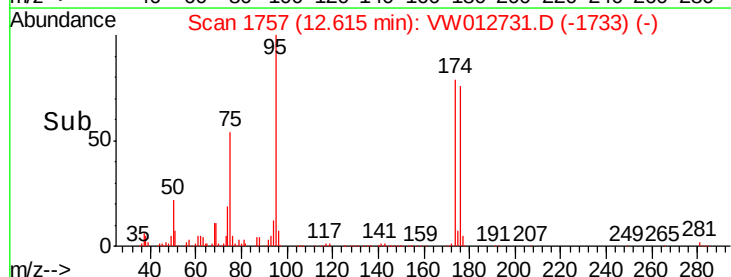
75 100

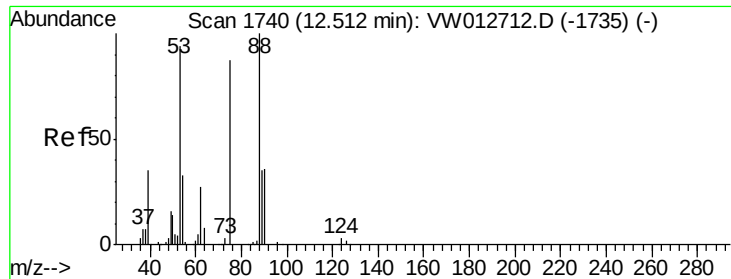
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 122.809 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

SB-7-(13-15)

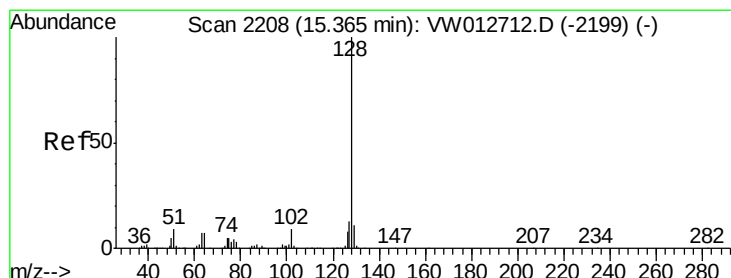
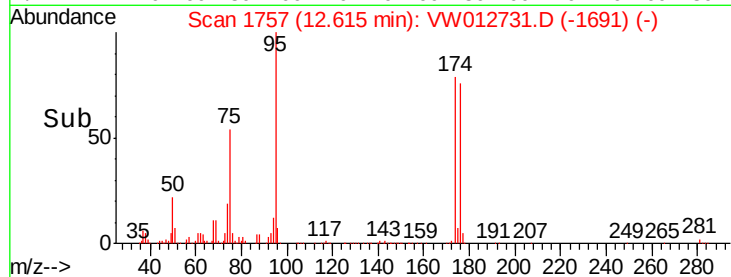
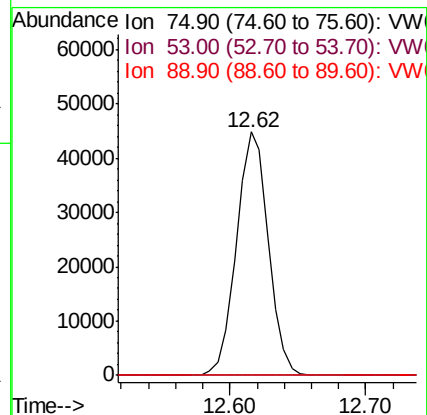
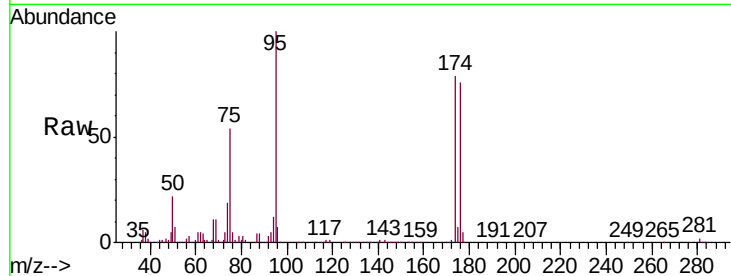
Tgt Ion: 75 Resp: 72764

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.458 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012731.D

Acq: 07 Sep 2019 20:20

Tgt Ion: 128 Resp: 109

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

